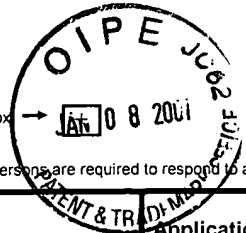


See for #



Please type a plus sign (+) inside this box

JAN 08 2001

PTO/SB/21 (08-00)  
Approved for use through 10/31/2002. OMB 0651-0031  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it displays a valid OMB control number.

<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>	Application	09/659,194	
	Filing Date	September 11, 2000	
	First Named	Daniel J. Marchok	
	Group Art Unit	2663	
	Examiner Name		
Total Number of Pages in This Submission	6	Attorney Docket Number	11520US03

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input checked="" type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input checked="" type="checkbox"/> Amendment / Response	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	post card
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input checked="" type="checkbox"/> Response to Missing Parts/ Incomplete Application	Remarks	
<input checked="" type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	The Commissioner is hereby authorized to charge additional fees and credit any overpayments to Deposit Account No. 13-0017.	

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Ronald E. Larson, Esq. McAndrews, Held & Malloy, Ltd.
Signature	<i>Ronald E. Larson</i>
Date	January 8, 2001

CERTIFICATE OF MAILING express mail #EM25528522306			
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as <input checked="" type="checkbox"/> mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231 on this date: <b>January 8, 2001</b>			
Typed or printed name	Ronald E. Larson		
Signature	<i>Ronald E. Larson</i>	Date	January 8, 2001

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

**Response To Notice To File Missing Parts Of Application  
Filing Date Granted (PTO-1533)(Large Entity)**

Docket No.  
**11520US03**

In Re Application Of:

Serial No.  
**09/659,194**

Filing Date  
**September 11, 2000**

Examiner

Group Art Unit  
**2663**

Invention: **Multi-Point OFDM/DMT Digital Communications System Including Remote Service Unit  
With Improved Transmitter Architecture**

TO THE ASSISTANT COMMISSIONER FOR PATENTS:

Box Missing Parts

This is a response to the Notice to File Missing Parts of Application - Filing Date Granted (PTO-1533) mailed on  
November 6, 2000  
Date

Enclosed herewith for filing are the following:

- ☒ A copy of the Notice to File Missing Parts of Application - Filing Date Granted (PTO-1533). **(REQUIRED)**
- ☐ An oath or declaration in compliance with 37 CFR 1.63, including residence information and identifying the application by the above Application Number and Filing Date.
- ☐ A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date.
- ☐ An oath or declaration in compliance with 37 CFR 1.63 listing the names of all inventors and signed by the omitted inventor(s), identifying this application by the above Application Number and Filing Date.
- ☐ A verified English translation of the non-English language application papers as originally filed. It is requested that this translation be used as the copy for examination purposes in the United States Patent and Trademark Office.
- ☒ Other (list):

**Fee Transmittal and balance due of \$1,060.00.**  
Return Receipt Postcard

✓ **Response To Notice To File Missing Parts Of Application**  
**Filing Date Granted (PTO-1533)(Large Entity)**

Docket No.  
11520US03

In Re Application Of:

Serial No.  
09/659,194

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Examiner

Group Art Unit  
2663

Invention: **Multi-Point OFDM/DMT Digital Communications System Including Remote Service Unit**  
**With Improved Transmitter Architecture**

TO THE ASSISTANT COMMISSIONER FOR PATENTS:

Box Missing Parts

☒ Completion of application fees as calculated below:

☒ Utility application filing fee \$ 690.00

☐ Design application filing fee \_\_\_\_\_

☒ Total number of independent claims = 4 78.00

☒ Total number of claims = 29 \$162.00

☐ Multiple dependent claims \_\_\_\_\_

☒ Surcharge for late payment of filing fee and/or late filing of original declaration or oath \$130.00

☐ Petition and fee for filing by other than all the inventors or a person not the inventor \_\_\_\_\_

☐ Fee for processing an application filed with a non-English language specification \_\_\_\_\_

☐ Fee for processing and retention of application \_\_\_\_\_

Total completion of application fees \$1,060.00

This is a request under the provisions of 37 CFR 1.136(a) to extend the period for filing a response to the above-identified Notice to File Missing Parts of Application. The requested extension is as follows (check time period desired). If an additional time extension is required, please consider this a petition therefor.

☐ One month    ☐ Two months    ☐ Three months    ☐ Four months    ☐ Five months

from: \_\_\_\_\_ until: \_\_\_\_\_  
Date Date

Total time extension fees \_\_\_\_\_

Total fees due \$1,060.00

**Response To Notice To File Missing Parts Of Application  
Filing Date Granted (PTO-1533) (Large Entity)**

Docket No.  
**11520US03**

In Re Application Of:

Serial No.  
**09/659,194**

JAN 08 2001

Filing Date  
**September 11, 2000**

Examiner

Group Art Unit  
**2663**

Invention: **Multi-Point OFDM/DMT Digital Communications System Including Remote Service Unit  
With Improved Transmitter Architecture**

TO THE ASSISTANT COMMISSIONER FOR PATENTS:

Box Missing Parts

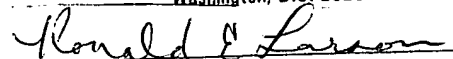
The fee of **\$1,060.00** is to be paid as follows:

- ☒ A check in the amount of the fee is enclosed.
- ☒ The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account No. **13-0017**.  
A duplicate copy of this sheet is enclosed.
- ☐ If an additional extension of time is required, please consider this a petition therefor and charge any additional fees which may be required to Deposit Account No.  
A duplicate copy of this sheet is enclosed.

  
Signature

Dated: **January 8, 2001**

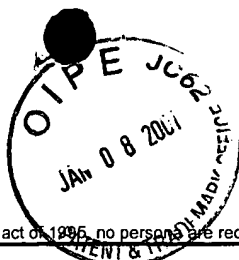
I certify that this document and fee is being deposited  
on January 8, 2001, with the U.S. Postal  
Service as Express Mail No. EM255285223US  
under 37 C.F.R. 1.8 and is addressed to the Assistant  
Commissioner for Patents, Box Missing Parts,  
Washington, D.C. 20231.

  
Signature of Person Mailing Correspondence

**Ronald E. Larson Reg. No. 24,478**

Typed or Printed Name of Person Mailing Correspondence

CC:



Approved for use through 10/31/2002. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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<b>FEE TRANSMITTAL</b> <b>for FY 2001</b> Patent Fees are subject to annual revision.		<b>Complete if Known</b>		
		Application Number	09/659,194	
		Filing Date	September 11, 2000	
		First Named Inventor	Daniel J. Marchok	
		Examiner Name		
		Group Art Unit	2663	
TOTAL AMOUNT OF PAYMENT	(\$)	1060.00	Attorney Docket No.	11520US03

<b>METHOD OF PAYMENT</b> 1. <input type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to: Deposit Account Number: 13-0017 Deposit Account Name: McAndrews, Held & Malloy, Ltd. <input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27 2. <input checked="" type="checkbox"/> Payment Enclosed: <input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> Other				<b>FEE CALCULATION (continued)</b> <b>3. ADDITIONAL FEES</b>																																																																																																																																																																																																																																			
<b>FEE CALCULATION</b> 1. 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\*\*or number previously paid, if greater; For Reissues, see above

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

SUBMITTED BY				Complete (if applicable)	
Name (Print/Type)	Ronald E. Larson	Registration No. (Attorney/Agent)	24,076	Telephone	312 775-8000
Signature	<i>Ronald E. Larson</i>			Date	January 8, 2001

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## UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/659,194	09/11/2000	Daniel J. Marchok	11520US03

Robert B Polit  
McAndrews Held & Malloy Ltd  
500 W Madison  
Suite 3400  
Chicago, IL 60661



## FORMALITIES LETTER



\*OC000000005532012\*

Date Mailed: 11/06/2000

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

*Filing Date Granted*

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given TWO MONTHS from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.  
*Applicant must submit \$ 690 to complete the basic filing fee and/or file a small entity statement claiming such status (37 CFR 1.27).*
- Total additional claim fee(s) for this application is \$240.
  - \$162 for 9 total claims over 20.
  - \$78 for 1 independent claims over 3.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 1060.

*A copy of this notice MUST be returned with the reply.*

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

01/12/2001 AGUITON 00000089 130017 09659194  
01 FC:101 710.00 DP  
02 FC:105 130.00 DP  
03 FC:103 162.00 DP  
04 FC:102 58.00 DP  
22.00 CH